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Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith is the following patent application:

**Inventor:** 1) JONG-SEO CHOI  
2) DONG-HEE HAN  
3) SEUNG-KWON HAN  
4) DONG-KYUN SEO  
5) BU-CHUL SIN  
6) HWAN-CHUL RHO

**Title:** CATHODE FOR ELECTRON TUBE AND METHOD OF  
PREPARING THE CATHODE

Please find attached hereto an application for patent which includes: Specification and Abstract, Claims, original Declaration And Power of Attorney, Assignment, and a certified copy of the priority document identified below:

Verified Showing of Small Entity Status: **NO**

Drawings: Formal drawings, 7 sheets, Figures 1 through 12

Claim of priority under 35 U.S.C. §119: **YES**

\*\* U.S. Provisional Application Serial No. 60/299,786 filed on 22 June 2001.

**FEE (see formula below): CHECKS ARE ENCLOSED (#40383 and #40384)**

Basic Fee \$355/710 .....	\$710.00
<b>Additional Fees:</b>	
Total number of claims in excess of 20: <u>14</u> times \$9/18 .	\$252.00
Number of independent claims in excess of 3: <u>   </u> times \$40/80 .....	\$0.00
Multiple Dependent Claims \$135/270 .....	\$0.00
An Assignment is likewise enclosed: Recording Fee \$40 . .	\$40.00
Filing Non-English specification .....	\$0.00
<b>TOTAL FEES FOR THE ABOVE APPLICATION .....</b>	<b>\$1,002.00</b>

R. E. BUSHNELL

ATTORNEY AT LAW

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UNITED STATES OF AMERICA

28 September 2001

INTELLECTUAL PROPERTY LAW

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☐ Via International Courier  
☐ Via Facsimile No. \_\_\_\_\_  
☐ Via E-Mail Attachment  
☐ Please Acknowledge Receipt

Attorney Docket: P56533

**Inventor:** 1) JONG-SEO CHOI  
2) DONG-HEE HAN  
3) SEUNG-KWON HAN  
4) DONG-KYUN SEO  
5) BU-CHUL SIN  
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**Title:** CATHODE FOR ELECTRON TUBE AND METHOD OF  
PREPARING THE CATHODE

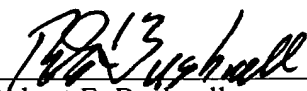
Assistant Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the filing fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell  
1522 K Street, N.W.  
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Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell  
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02-4943-008-439

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PTO/SB/17 (08-00)  
 Approved for use through 9/30/2000. OMB 0651-0032  
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL

Patent fees are subject to annual revision.

## Complete If Known

Application Number	To be assigned
Filing Date	28 September 2001
First Named Inventor	JONG-SEO CHOI et al.
Examiner Name	To be assigned
Group/Art Unit	To be assigned
Attorney Docket No.	P56533

TOTAL AMOUNT OF PAYMENT

(\$)1,002.00

## METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 02-4943  
 Deposit Account Number: \_\_\_\_\_

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.

☐ Applicant claims small entity status. See 37 CFR 1.27

## 2. Payment Enclosed: (CHECK #40383 & #40384)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
401	710	201	355	Utility filing fee	\$710.00
406	320	206	160	Design filing fee	\$
407	490	207	245	Plant filing fee	\$
408	710	208	355	Reissue filing fee	\$
414	150	214	75	Provisional filing fee	\$
SUBTOTAL (1)				(\$) <u>710.00</u>	

### 2. EXTRA CLAIM FEES

			Extra Claims		Fee from below		Fee Paid
Total claims	34	-20** =	14	x	18.00	=	252.00
Independent Claims	3	-3** =		x		=	
Multiple Dependent						=	

\*\* or number previously paid, if greater; For Reissues. see below

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)252.00

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES


Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge-late filing fee or oath	\$
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$
139	130	139	130	Non-English specification	\$
147	2,520	147	2,520	For filing a request for reexamination	\$
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	\$
115	110	215	55	Extension for reply within first month	\$
116	390	216	195	Extension for reply within second month	\$
117	890	217	445	Extension for reply within third month	\$
118	1,390	218	695	Extension for reply within fourth month	\$
128	1,890	228	945	Extension for reply within fifth month	\$
119	310	219	155	Notice of Appeal	\$
120	310	220	155	Filing a brief in support of an appeal	\$
121	270	221	135	Request for oral hearing	\$
138	1,510	138	1,510	Petition to institute a public use proceeding	\$
140	110	240	55	Petition to revive - unavoidable	\$
141	1,240	241	620	Petition to revive - unintentional	\$
142	1,240	242	620	Utility issue fee (or reissue)	\$
143	440	243	220	Design issue fee	\$
144	600	244	300	Plant issue fee	\$
122	130	122	130	Petitions to the Commissioner	\$
123	50	123	50	Petitions related to provisional applications	\$
126	240	126	240	Submission of Information Disclosure Statement	\$
581	40	581	40	Recording each patent assignment per property (Times number of properties)	\$40.00
146	710	246	355	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$
149	710	249	355	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$
Other Fee (specify) _____					\$
Other Fee (specify) _____					\$

\*\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) \$40.00

## SUBMITTED BY

## Complete (if applicable)

Typed or Printed Name	Robert E. Bushnell, Esq.		Reg. Number	27,774	
Signature			Date	28 September 2001	Deposit Account User ID

REB/sb

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.